Amendments To The Claims:

Please amend the claims as shown.

1 – 9 (canceled)

10. (new) A method for braking a rotor of a turbine engine having a turning gear, comprising:

powering a drive from an energy source;

coupling the rotor to a drive shaft;

driving the rotor by the drive during a cooling phase of the turbine engine; and

braking the rotor to a standstill by driving the drive in a reverse operation by the coupled drive shaft after the cooling phase of the turbine engine.

11. (new) The method as claimed in claim 10, wherein after the cooling phase, the drive is electrically separated from the energy source and is electrically connected to a load element.

12. (new) The method as claimed in claim 10, wherein the drive is a hydraulic motor which in the reverse operation works as a hydraulic pump.

13. (new) The method as claimed in claim 10, wherein the drive is an electric motor which in the reverse operation works as an electrical generator.

14. (new) The method as claimed in claim 10, wherein the rotor is mounted by an oil bearing, and after the standstill of the rotor, an energy supply of the oil bearing is switched off.

15. (new) The method as claimed in claim 14, wherein after the standstill of the rotor, the energy supply of the oil bearing is automatically switched off.

16. (new) A turning gear for driving a rotor of a turbine engine, comprising:

a drive that is powered from an energy source; and

a drive shaft to which the rotor is coupled,

wherein during a cooling phase of the turbine engine, the rotor is driven by the drive by the coupled drive shaft,

wherein after the cooling phrase, the rotor is braked to a standstill by driving the drive in a reverse operation by the coupled drive shaft.

17. (new) The gear as claimed in claim 16 , wherein after the cooling phase, the drive is separated from the energy source and is connected to a load element.

18. (new) The gear as claimed in claim 17, wherein the load element is a regulatable load element.

19. (new) The gear as claimed in claim 16 , wherein the drive is a hydraulic motor which in the reverse operation works as a hydraulic pump that is connected to the load element.

20. (new) The gear as claimed in claim 19, wherein the load element is a throttle or a valve.

21. (new) The gear as claimed in claim 16 , wherein the drive is an electric motor which in the reverse operation works as an electric generator that is connected to the load element.

22. (new) The gear as claimed in claim 21, wherein the load element is an electric consumer.

23. (new) The gear as claimed in claim 16, wherein the turbine engine is a gas turbine.

24. (new) The gear as claimed in claim 16, wherein the rotor is mounted by an oil bearing, and after the standstill of the rotor, an energy supply of the oil bearing is switched off.

25. (new) The gear as claimed in claims 24, wherein after the standstill of the rotor, the energy supply of the oil bearing is automatically switched off.